



SUBSTITUTE SPECIFICATION WITH MARKINGS TO SHOW CHANGES MADE

TITLE OF THE INVENTION

Nectarine Tree 'S 6606'

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CROSS REFERENCE TO RELATED APPLICATIONS

None

PRIORITY CLAIM

10 This application claims priority of U.S. Provisional patent application Ser. No.  
60/404,079 filed August 15, 2002.

STATEMENT REGARDING FEDERALLY SPONSORED RESEARCH OR DEVELOPMENT

None

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LATIN NAME OF THE GENUS AND SPECIES OF THE PLANT CLAIMED

*Prunus persica* L. Batsch

VARIETY DENOMINATION

20 'S 6606'

BRIEF DESCRIPTION OF THE PHOTOGRAPHS

~~The photograph shows the fruit of the new cultivar.~~

FIG. 1 shows the tree and blossoms of 'S 6606';

FIG. 2 shows the blossoms of 'S 6606';

FIG. 3 shows the leaves of 'S 6606'; and

5 FIG. 4 shows the fruit of 'S 6606'.

#### DETAILED BOTANICAL BRIEF DESCRIPTION OF THE VARIETY:

The new nectarine tree 'S 6606' ~~was developed as part of a controlled breeding program.~~  
originated as a seedling resulting from a controlled cross of 'Jalousia' x 'Summergrand' (seed  
10 parent, not patented) and 'Fantasia' (pollen parent, not patented). Originally bred and tested by  
the Institut National de la Recherche Agronomique (INRA) in France, 'S 6606' has been  
asexually propagated by grafting in France and in Parker, Washington, USA, and ~~The new~~  
~~nectarine tree~~ has been observed to remain true to type over successive asexually propagated  
generations.

15 'S 6606' was selected for its broad oblate shape and pleasant sub-acid flavor. While  
similar in many respects to 'S 6816' (plant patent pending), the fruit of 'S 6606' matures one to  
two weeks later. It has also been observed that the leaves of 'S 6606' are longer than those of 'S  
6816.'

#### 20 DETAILED BOTANICAL DESCRIPTION OF THE VARIETY:

The following detailed botanical description is based on observations of four year old trees  
made during the 2004 growing season at Parker, Washington. All colors are described according to

the Royal Horticultural Society Colour Chart. It should be understood that the characteristics described will vary somewhat depending upon cultural practices and climatic conditions, and can vary with location and season. Quantified measurements are expressed as an average of measurements taken from a number of individual plants of the new variety. The measurements of any individual plant, or any group of plants, of the new variety may vary from the stated average.

#### Tree

Type	Non-spur type
Vigor	Medium
Habit	Upright
Size	Width 2.2 m; height 3.9 m
Production	Heavy

#### Trunk

Size	Diameter 34.1 at base
Bark	Texture varies; color grey 201D on very rough bark; greyed-purple 183A on rough bark; greyed-purple 184A on smooth bark
Lenticels	Large, prominent, length 0.8 to 1.1 cm; 10 per square inch; color orange-white 159A

#### Flowering Branch

Thickness	Medium
Size	Length 50.8 cm; diameter 1.6 cm
Texture	Smooth

Length of internodes            Medium, 2.2 to 2.5 cm

Color                            Greyed-purple 184A

Anthocyanin coloration       Present

Intensity of anthocyanin coloration    Medium

5    ~~Flowering Branch~~ Flowers

Abundance of flower buds    Medium

Distribution of flower buds    Generally in groups of two or more

Time of beginning of flowering        ~~Medium~~ Bud burst March 18; bloom period March  
21 to April 6, 2005

10    ~~Duration of flowering~~        ~~Medium~~

Flower

Buds                            Length 0.8 to 0.9 cm; elongated with rounded tip; color red-  
purple 59A, tip red-purple 63B; hardy

Flower shape                    Rosaceous

15    Flower size                    Diameter 3.6 to 3.9 cm

Calyx color (open flower before falling of petals)    Orange

Petal shape                    Rounded

Petal size                    Large

Petal color at full flowering    ~~Medium pink~~

20    Number of petals               Five

Petals                            Quantity 5; overlapping; large, length 1.5 to 1.6 cm, width  
1.4 to 1.5 cm; margins ruffled; petal texture smooth; color

upper surface red-purple 62D. lower surface red-purple

61D

Number of pistils Always one

Position of stigma compared to anthers Below

5 Stamen length compared to petals Shorter

Anthers—~~pollen~~ Size 0.05 cm; color greyed-red 180A; pollen present.

yellow 1A Present

Pubescence of ovary Absent

Stamen Quantity 36; length 1.0 to 1.2 cm; color red-purple 62D

10 Filament Size 0.9 to 1.1 cm

Pistil Size 1.0 to 1.2 cm; color yellow 1A

Sepals Length 0.5 to 0.6 cm; width 0.3 to 0.4; color red-purple

59A

#### Leaves

15 Time of leaf bud burst Medium

Size Medium, length 13.0 cm, width 4.0 cm

Ratio length/width Medium

Profile Flat

Curvature of tip Recurved downward

20 Angle at base Nearly right angle

Angle at top Medium

Anthocyanin coloration Absent

Color                                      Yellow-green 146A with yellow-green 146D spots

Petiole

Length                                      Medium

Nectaries                                      Present

5                                      Shape of nectaries                                      Kidney-shaped

Number of nectaries                                      Normally two

Fruit

Size                                      Small, diameter 7.0 cm; height 4.0 cm

Shape in profile view                                      ~~Very flat~~ Broad oblate

10                                      Shape of tip                                      Bowl shaped depressed

Symmetry when cut along suture                                      Symmetric

Suture                                      Marked

Depth of petiole cavity                                      Broad

Width of petiole cavity                                      Broad

15                                      ~~Ground color~~ Color of skin                                      ~~Light yellow~~ Ground color orange-red 34B; over  
color red-purple 59A

Extension of anthocyanin coloration of skin                                      Very large

Pubescence                                      Absent

Thickness of skin                                      Medium

20                                      Adherence of skin                                      Medium

Firmness of flesh                                      ~~Strong~~ Very firm

Anthocyanin coloration directly under skin                                      Absent

Anthocyanin coloration around the stone     Absent

Texture of the flesh             Not fibrous, fine

Sugar content of flesh             High, Brix 13.5

Color of flesh                     Yellow 16C; color near seed yellow N30A

5             Flavor                             Sub-acid, skin slightly tart

#### Stone

Size compared to fruit             Small, diameter 2.5 cm

Shape                             Flat; ridged; pitted

Color                             ~~Light~~ Red-purple 59B

10             Likelihood of stone to split     Absent or very weak

Adherence to flesh             Yes

Degree of adherence to flesh     Medium

#### Maturity

Time of maturity             Early

15             Duration                             ~~Spread out~~ Multiple pickings

Preharvest drop             Absent or minimal

Time of falling of leaves         Medium

Resistance to pests and diseases     None noted

## ABSTRACT

A new cultivar of nectarine tree (*Prunus persica* L. Batsch) named 'S 6606' is disclosed.

The fruit of 'S 6606' is notable for its broad oblate shape and sub-acid flavor.